State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
MT VERNON CREEK	886600	20201005-13-01

Sampling Location: 15 m upstrm CTH U

Database Key: 250465693

SWIMS Station ID	**SWIMS Station Name**
10013350	MT VERNON CREEK AT HWY U

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.94049	89.64738	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
SUGAR - PECATONICA	WEST BRANCH SUGAR RIVER - MT. VERNON	DANE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JAMES F AMRHEIN, CAMILLE M BRUHN, KIMBERLY KUBER	SCR LONG-TERM TREND WADEABLE REFERENCE STREAM

Sampling Device

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [X] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** ____ **of** ____
2	1	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [X] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
9.0	12.0	106	8.24	618	>120

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] Fast (> 0.5 m/s)

Measured Velocity (circle units: m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	0.4	6

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 90

Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 50

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Stream and Watershed Descriptors

N = Not a problem
U = Uncertain
PL = Present, Low Impact
PH = Present, High Impact

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Reed, Kayla	Dimick, Jeffrey	3.125%
Date Processed	**Specimens Saved**	
1-25-2022	Subsample 150 archived in ABL until MAR 2025	

A4Q3 → 45
P4Q1 → 33
A4Q4 → 25
D4Q4 → 47

Wisconsin Department of Natural Resources
ABL SampleNum: **20201005-13-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mt Vernon Creek**
SWIMS Database Key: **250465693**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Micrasema gelidum	L	I	1	Hols 1985		
Ceratopsyche slossonae	L	III	3	Schm Hols 1986		
Cheumatopsyche	L	IIII	8	MCB 2019		
Hydropsyche betteni	L	I	1	Schm Hols 1986		
Optioservus	L	I	1	MCB 2019	worn	N
O. fastiditus	L	II	2	Hols Schm 1992		
Diamesa	P	III	3	MCB 2019		N
Cricotopus (Cricotopus) bicinctus group	P	I	1	Coff et al 1986		Y
Orthocladius (Orthocladius)	P	I	1	"		N
Parakiefferiella	P	II	2	MCB 2019		N
Neoplasta	L	III	3	"		
Antocha	L	VI	3	"		
Nemicordia	L	I	1	"		
Synorthocladius	P	I	1	"		N
Gammarus pseudolimnaeus	A	X-IIII	19	Hols 1972		
Caecidotea intermedia	A	I	1	Will 1972		
Physa	A	/	5	Thorp Rog 2006		
Potamopyrgus antipodarum	A	II	2	"		
Naidinae	A	~~0~~	30	Kath Brin 1988		
Hygrobates	A	/	5	Peck et al 1990		
Lebertia	A	IIII	4	"		
Sperchonidae	A	II	2	"		
~~Split Aza Chironomidae~~	~~L~~	~~Bx~~				
~~Split Azh Chironomidae~~	~~L~~	~~Bx~~				
Diamesa	L	XII	12	And et al 2013		
Synorthocladius	L	III	3	"		
Cricotopus (Cricotopus)	L	I	1	"		Y
Orthocladius (orthocladius)	L	OIII	23	"		
Parakiefferiella	L	I	1	"		
Chironominae	L	II	2	"	dam	N
Cladotanytarsus	L	I	1	"		
Micropsectra	L	I	1	"		
Microtendipes pedellus group	L	II	2	"		
Paratanytarsus longistilus	L	80-	65	"		
Rheotanytarsus	L	I	1	"		